

DERWENT ABSTRACT FOR: JP 05-070679 (Asahi), published 23 March 1993:

L2 ANSWER 11 OF 14 WPIINDEX COPYRIGHT 2001 DERWENT INFORMATION LTD
ACCESSION NUMBER: 1993-137105 [17] WPIINDEX
DOC. NO. CPI: C1993-061235
TITLE: Flame retardant polyolefin resin moulded prod. -
comprises polyolefin continuous phase and dispersed phase
contg. polyphenylene ether, halogen flame retarder and
vinyl or diene copolymer.
DERWENT CLASS: A17 A25 A85 A95 E11 L03
PATENT ASSIGNEE(S): (ASAHI) ASAHI CHEM IND CO LTD
COUNTRY COUNT: 1
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
JP 05070679	A	19930323	(199317)*	8	<--
JP 3083883	B2	20000904	(200045)	8	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP 05070679	A	JP 1991-230460	19910910
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FILING DETAILS:

PATENT NO	KIND	PATENT NO
JP 3083883	B2 Previous Publ.	JP 05070679

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The prod. comprises (A) continuous phase consisting of polyolefin and (B) dispersed phase consisting of (a) polyphenylene ether, (b) at least one copolymer selected from copolymers of vinyl aromatic cpd. and conjugated diene cpd. and hydrogenated prods. (c) aromatic halogen flame retarder, (d) flame retarding auxiliary and (e) aromatic phosphoric acid ester. The aromatic halogen flame retarder has a short axis dia. of less than 1 micron.

Pref. polyolefins are isotactic polypropylene and propylene-ethylene block copolymer. Pref. polyphenylene ether is poly(2,6-dimethyl-1,4-phenylene ether). (b) which acts as compatibiliser for polyolefin and polyphenylene ether is e.g. styrene-butadiene copolymer or hydrogenated prod. Pref. (c) is brominated polystyrene having a bromine content of higher than 60 wt.% and a molecular wt. of higher than 5,000. Pref. (d) is SbO₃. Pref. (e) are triphenyl phosphate and aromatic condensed phosphoric acid ester.

ADVANTAGE - The polyolefin resin moulded prod. has excellent flame retardance and resistance to impact, oil and heat and does not cause dripping in combustion. It is useful for electric, electronic and automobile parts, etc

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